

TO: Suborbital Science Program  
NASA Headquarters  
Mail Suite 3F71  
Attn: Andrew Roberts  
*andrew.c.roberts@nasa.gov*

FAX: (202) 358-2770  
Voice: (202) 358-7212

## **Flight Report**

<b>Aircraft :</b>	NASA P-3B
<b>Operating Site(s) From / To :</b>	BGTL / BGTL (Thule)
<b>Flight Date :</b>	April 6, 2009
<b>Flight Number / Data Flight # :</b>	722
<b>Time out:</b>	<b>1100 (Z)</b>
<b>Time in:</b>	<b>1842 (Z)</b>
<b>Flight Time :</b>	7.7
<b>Flt Request # / PI:</b>	FR#9P007/013/014
<b>Purpose of Flight :</b>	<b>Data <input checked="" type="checkbox"/> Ferry <input type="checkbox"/> Functional Check <input type="checkbox"/> Other <input type="checkbox"/></b>
<b>Sensor Payload :</b>	Arctic Ice Gap (Operation Ice Bridge) for Sea Ice ICESat orbit tracks. ATM(2), Snow radar
<b>Comments :</b>	<p>Another Ice Bridge mission was flown today, this time over northwest Greenland glaciers and the marginal ice sheet area between Thule and Upernavik (flight path next page). During the flight ten (10) different ICESat orbit segments were surveyed. The two ATMs, PARIS, and the Snow Accumulation Radar collected data successfully at low altitude. LVIS was reinstalled, and checked out during the mission. Towards the end of the mission, we climbed to 18,000 ft and the LVIS successfully collected higher altitude data and calibration data over Dundas mountain and sea ice. LVIS operated successfully for the entire flight and is considered fully operational now.</p> <p>All instruments are in an up status; however the P-3 is down due to a prop leak in the #4 engine. Options are</p>

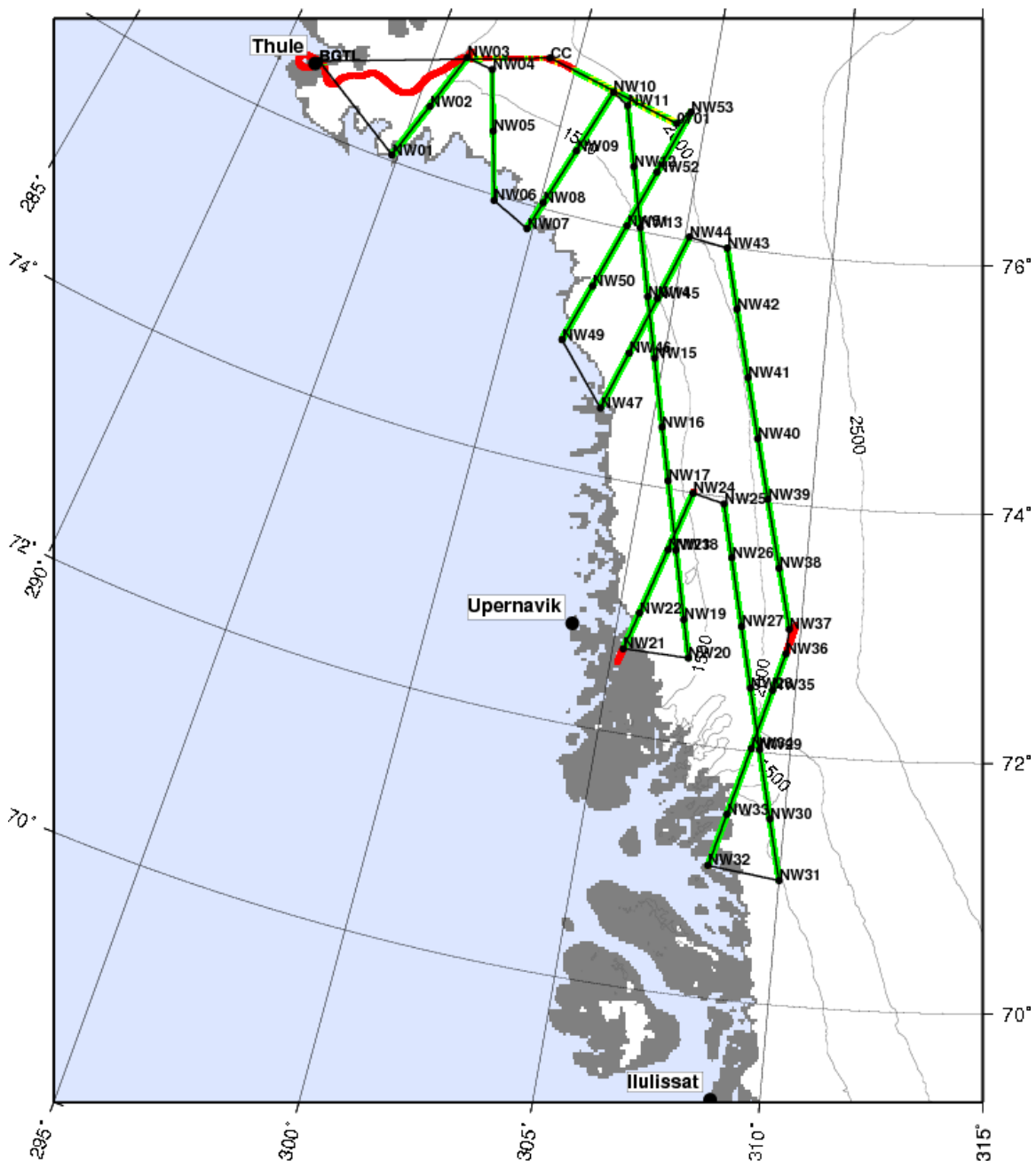
being evaluated and I will send an update when a solution is determined.

SUBMITTED BY: Cate Fairchild

6 April 2009

## Northwest Gap-Filler Flight

7.7 hours at 250 knots groundspeed



<b>Flight</b>	<b>Date</b>	<b>Aircraft Flight #</b>	<b>Data Flight#</b>	<b>Hours flown</b>	<b>Total Hours Remaining</b>
<i>Total Allocated</i>					<i>184.0</i>
ECF	3/25/2009	713		0.8	183.2
PCF	3/27/2009	716		3.7	179.5
Transit to Thule	3/30/2009	693		7.6	171.9
Science flight	3/31/2009	718	1	8.1	163.8
Science flight	4/1/2009	719	2	7.7	156.1
Science flight	4/2/2009	720	3	8.2	147.9
Science flight	4/5/2009	721	4	8.7	139.2
Science flight	4/6/2009	722	5	7.7	131.5
<i>Return Transit*</i>	<i>TBD</i>			<i>8.0</i>	<i>123.5</i>
<i>Post-mission calibration*</i>	<i>TBD</i>			<i>2.0</i>	<i>121.5</i>

\* Time for return transit and post-mission flight are estimates only